

✓
At page 23, line 11, please insert --be-- after
"and".

✓
At page 24, line 15, please insert --615-- after
units.

✓
At page 24, line 21, please delete "edge band" and
insert --band edge--.

✓
At page 24, line 19, please delete "fluro-optic"
and insert --fluoroptic--.

✓
At page 25, line 20, please delete "with the" and
insert --with an--.

✓
At page 25, line 24, please delete "fluor optic"
and insert --fluoroptic--.

✓
At page 25, line 25, please delete "of chuck" and
insert --or chuck--.

✓
At page 26, line 25, please insert --and-- after
"limited to two".

✓
At page 26, line 27, please delete "V1" and insert
--805--.

✓
At page 26, line 30, please delete "V1 and V2" and
insert --805 and 807--.

✓
At page 27, line 2, please delete "V2 and V2" and
insert --805 and 807--.

✓ At page 27, line 4, please delete "1 and 2" and
insert --801 and 803--.

✓ At page 27, line 5, please delete "TC2 and TC2" and
insert --TC1 and TC2--.

✓ At page 27, line 10, please insert --with-- after
"controlled".

✓ At page 28, line 8, please insert --)-- after
"100°C".

✓ At page 28, line 9, please delete "of" and insert
--or--.

✓ At page 28, line 12, please delete "controlled" and
insert --control--.

✓ At page 28, line 27, please insert --plasma-- after
"oxygen".

✓ At page 29, line 10, please delete "sued" and
insert --used--.

✓ At page 29, line 18, please insert --,-- after
"step".

✓ At page 29, line 19, please delete "C" and insert
--B--.

✓ At page 30, line 6, please delete "DD"" and insert
--D--.

At page 30, line 8, please insert --polysilicon--
after "and".

At page 30, line 8, please insert --schematically--
after "are".

At page 30, line 8, please delete "the Fig." and
insert --Fig. 10--.

At page 30, line 11, please delete "at endpoint"
and insert --beyond the endpoint--.

IN THE DRAWINGS:

Applicant submits new figures 7,8 and 10,
consisting of 3 sheets of drawings. Newly submitted figures
correct some inadvertent errors in the originally submitted
drawings. Amendments to the originally submitted informal
figures have been highlighted in red ink.

With respect to Fig. 7, some editorial changes are
made to replace several abbreviations with plain English and
for consistency with the specification. "Heat xfer when need
cool fluid" is deleted and replaced with --Heat exchange when
fluid cooling is needed (see, e.g. Specification, p. 25,
lines 10--15). The legend accompanying 719, "bypass for use
when exit fluid is cool & must be heated before use" is
deleted and replaced with --Bypass used when exit fluid must
be heated-- (see, e.g. Specification p.25, lines 31 to p. 26,
line 4). The two legends accompanying 713, "heat transfer
fluid" and "Fluid Reservoir" are deleted and replaced with
the coalesced legend --Heat Transfer Fluid Reservoir-- to

improve readability. "2-way solenoid valve accompanying 717" is deleted and replaced with the legend --2-way control valve-- (see, e.g. Specification, p. 25, line 31 through p. 26, line 2). It is noted that the Specification teaches control valves 721 and 717 for diverting fluid flow and does not mention solenoid valves (it is well known in the art that a solenoid valve is an example of a control valve). While the applicant believes that those skilled in the art would understand the invention in full with the original legends, these changes are made for consistency and to avoid any possible confusion on the part of the reader.

With respect to Fig. 8, in the new drawings, the abbreviated phrase "Liquid @ temp" in each of the two legends is deleted and replaced with --Fluid at temperature--. This is done both to improve readability by replacing "@ temp" with correct English and to bring the legend into formal consistency with the language of the specification (see Specification p. 26, line 29 through p. 27 line 6).

With respect to Fig. 10, three typographical errors in labels which appear by the lower curve (e.g. temperature versus time) have been corrected as follows:

"B" along the lower curve is deleted and replaced with --BB--;

the letter "C" by the top of the first temperature step on this curve is deleted and replaced with --B--;

the rightmost "H" letter over this curve is deleted and replaced with --J--.

The legend DD over the top curve in Fig. 10 is deleted since it is not referenced.

Also, axes labeled in conformance with the Specification and the captions in Fig. 10 (see Specification p. 29, lines 21-23, 26) have been placed by the left and bottom of the top curve to improve readability and clarity. A label --Time-- (see Specification, lines 18,26) has been added under the axis of the lower curve for the same reason.

It is respectfully pointed out that the corrections are entirely consistent with the upper curve in Fig. 10 and they conform to the legends in Fig. 10 and to the specification. As concerns correcting "C" on the lower curve to --B--, please note that the legend at the bottom of Fig. 10 designates "B" as that time when the "Cl₂ plasma is ignited" (corresponding to the onset of light emission at point "B" on the upper curve). Similarly, the specification (p.29, lines 19-21) teaches that "tungsten silicide is etched at this temperature until this layer is breached at random locations on the wafer" (the "layer is breached" at point "C" as specified in the caption in Fig. 10: "C. WSi_x begins to clear."). The reference to typographical error "C" in the specification (page 29, line 19) was corrected (e.g. IN THE SPECIFICATION, above). This typographical error is obvious from the language on p.29, lines 22-24 in the Specification which references the change in "the slope of intensity of an

optical light emission" at point C (shown on the upper curve) after the "higher steady state value" (referenced on line 19 of p. 29).

As concerns correcting "B" on the lower curve to --BB--, please observe that in the specification (see p. 29, line 18), reference is made to "BB" as being "at the end of the breakthrough step" when "the control program increases" to "a higher steady state value at time C". The reference label "BB" was absent in the informal drawing Fig. 10 since it was marked as "B" by typographical error.

As concerns the typographical error "H" over the top right hand side of the lower curve it is obvious that the symbol "H" is already used (there is a center label "H") and that the right hand "H" would be out of alphabetical order. Moreover, "J" which is referenced in the caption was absent in the informal drawing. In fact the caption at the bottom of Fig. 10 makes it plain that "H" designates coordinates when "Plasma extinguished and O₂ feed gas flow is started" (also in the Specification, p. 30, lines 14-17) and that step "J" is when "O₂ plasma is extinguished." The caption in Fig. 10 also designates the order of these steps as H, I, J.

While Applicant believes that those skilled in the art would readily understand the invention and would recognize the error in Fig. 10, these corrections and the addition of axes are made to avoid any possible confusion on the part of the reader.

NOTES:

All listed changes to be made in the specification are grammatical, spelling or simple typographical error corrections, excepting the following:

1) At page 5, line 8, reference to item 19 is deleted because there is no item 19 shown in Fig. 1.

2) "615" is inserted in the reference to Fig. 6 "temperature sensing units" to avoid any confusion by a reader. However Applicant believes those skilled in the art would easily understand the reference without this addition.

3) Valves are referenced by numbers in Fig. 8 rather than as "V1" and "V2". Therefore the appropriate reference numbers "805" and "807" are inserted into the specification in place of "V1" and "V2". The reservoirs in Fig. 8 are referenced as 801 and 801 rather than as "1" and "2". The specification is changed accordingly.

4) A word "plasma" was inserted on page 28, line 27 to add clarity. Applicant believes that this is a mere formality and that those skilled in the art would understand that a plasma is implied.

5) A reference to Fig. 10 "C" at page 29, line 19 was corrected to "B" as explained in connection with the above changes "IN THE DRAWINGS."

6) The word "polysilicon" is inserted at page 30, line 8 since it was omitted typographically. Applicant believes that those skilled in the art would understand a

reference to polysilicon nonetheless since polysilicon is indicated elsewhere in the Specification (i.e. p. 30, line 1) as well as in Fig. 8.

7) "DD" is changed to "D" at page 30, line 6 to bring it into conformance with the legend above the top curve of Fig. 10. This also conforms to the lower curve of Fig. 10 where it is shown that temperature is reduced beginning at point D. The legend DD is deleted from above the top curve in Fig. 10 since it is not referenced. Applicant believes those skilled in the art will understand the curves and legend in the informal drawing of Fig. 10 and would recognize the typographical error in the Specification.

8) The word "schematically" is inserted at page 30, line 8 to clarify the nature of the drawing. Applicant believes the explanation of the drawing will be understood by those skilled in the art without this added clarification.

9) At page 30, line 8 "the Fig." is changed to "Fig. 10" to add clarity. Applicant believes this is merely a formality.

10) At page 30, line 11 "at endpoint" is changed to "beyond the endpoint" to bring this statement into conformance with the illustration in Fig. 10. Some etching may continue beyond the endpoint E until the plasma is extinguished at "H." It is well known and understood by those skilled in the art that etching continues beyond an endpoint until a plasma is extinguished.